

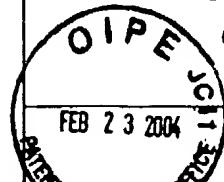
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PTO/SB/08 (2-92)
Sheet 1 of 1

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 441472000500

Application Number 09/881,526

Applicant

H. Ralph SNODGRASS

Filing Date June 14, 2001

Group Art Unit 1636 1636

Mailing Date February 19, 2004

FEB 23 2004

FEB 27 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
<i>BS</i>	1.	Carere, A. et al. (2002). "In Vitro Toxicology Methods: Impact on Regulation From Technical and Scientific Advancements," <i>Toxicol. Lett.</i> 127(1-3):153-160.
<i>BS</i>	2.	Church, V. L. et al. (1999). "Different Effects of BMP Antagonists Noggin & Fetuin on the Osteogenic Differentiation of Human Marrow Mesenchymal Stem Cells," <i>26th European Symposium on Calcified Tissue, Maastricht, The Netherlands, May 7-11, 1999</i> , 64(1):S54, Abstract No. P-17.
<i>BS</i>	3.	Davila, J. C. et al. (1998). "Predictive Value of In Vitro Model Systems In Toxicology," <i>Annu Rev. Pharmacol. Toxicol.</i> 38:63-96.
<i>BS</i>	4.	Ji, X. et al. (2000). "Patterns of Gene Expression Associated with BMP-2-Induced Osteoblast and Adipocyte Differentiation of Mesenchymal Progenitor Cell 3T3-F442A," <i>J. Bone Miner. Metab.</i> 18(3):132-139.
<i>BS</i>	5.	Thomas, R. S. et al. (2003). "Application of DNA Microarrays For Predicting Toxicity and Evaluating Cross-Species Extrapolation," <i>Toxicogenomics</i> , Editors: Inoue and Pennie, Springer-Verlag Tokyo: Tokyo Japan. pp 31-38.
<i>BS</i>	6.	Tugwood, J. D. et al (2003). "Genomics and the Search for Novel Biomarkers in Toxicology," <i>Biomarkers</i> 8(2):79-82.
<i>BS</i>	7.	Waring, J. F. et al. (2002). "The Promise of Toxicogenomics," <i>Cur. Opin. Mol. Ther.</i> 4(3):229-235.

EXAMINER:

DATE CONSIDERED:

7/20/04

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Form PTO-1449

Docket Number 441472000500

Application Number 09/881628

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

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Applicant

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H. Ralph SNODGRASS

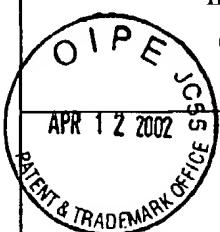
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Filing Date June 14, 2001

Group Art Unit 1627

Mailing Date April 3, 2002

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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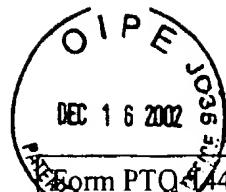
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Examiner Initials	Ref. No.	Title
BS	2.	Communication Pursuant to Article 115(2) EPC. (January 15, 2002). Observations filed by a third party concerning the patentability of the invention.

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PTO/SB/08 (2-92)

Sheet 1 of 1

INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 441472000500		Application Number 09/881,526
	Applicant H. Ralph SNODRASS		
	Filing Date June 14, 2001		Group Art Unit 1636
	Mailing Date December 10, 2002		

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
DR	1.	October 1, 2002	6,458,589 B1	L. Rambhatla and M. Carpenter	435	370	

FOREIGN PATENT DOCUMENTS

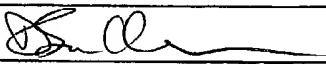
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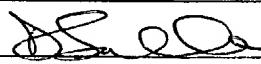
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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 441472000500		Application Number 09/881,526
	Applicant H. Ralph SNODGRASS		
	Filing Date June 14, 2001		Group Art Unit 1602 1636
	Mailing Date September 20, 2001		

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BS	1.	05/08/1979	4,153,676	Jelinek et al.	424	4.2	
	2.	11/24/1992	5,166,065	Williams et al.	435	377	
	3.	02/06/1993	5,187,077	Gearing et al.	435	69.1	
	4.	03/30/1993	5,197,985	Caplan et al.	128	898	
	5.	07/12/1994	5,328,695	Lucas et al.	424	426	
	6.	01/23/1996	5,486,359	Caplan et al.	424	93.7	
	7.	09/24/1996	5,559,022	Naughton et al.	435	376	
	8.	11/19/1996	5,576,207	Reid et al.	435	378	
	9.	08/26/1997	5,660,986	Harris et al.	435	6	
	10.	09/23/1997	5,670,372	Hogan	435	29	
	11.	11/11/1997	5,686,272	Marshall et al.	435	91.2	
	12.	01/06/1998	5,705,365	Ryder et al.	435	91.1	
	13.	11/25/1997	5,690,926	Hogan et al.	424	93.1	
	14.	04/07/1998	5,736,332	Mandecki	435	6	
	15.	04/07/1998	5,736,396	Bruder et al.	435	366	
	16.	08/04/1998	5,789,246	Reid et al.	435	325	
	17.	09/01/1998	5,800,690	Chow et al.	204	451	
	18.	09/15/1998	5,807,680	Sutcliffe et al.	435	6	
	19.	09/22/1998	5,811,231	Farr et al.	435	6	
	20.	09/29/1998	5,814,445	Belyavsky et al.	435	6	
	21.	10/27/1998	5,827,735	Young et al.	435	325	
	22.	10/27/1998	5,827,740	Pittenger	435	372	
	23.	01/19/1999	5,861,313	Pang et al.	435	347	
	24.	12/28/1999	6,007,993	Wobus et al.	435	6	
	25.	03/07/2000	6,033,860	Lockhart et al.	435	6	
BS	26.	03/21/2000	6,040,138	Lockhart et al.	435	6	

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PTO/SB/08 (2-92)
Sheet 2 of 7

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number 441472000500		Application Number 09/881,526		
				Applicant		H. Ralph SNODGRASS		
				Filing Date June 14, 2001		Group Art Unit <u>1622/1636</u>		
				Mailing Date September 20, 2001				

DS	27.	05/30/2000	6,069,005	Reid et al.	435	325	
DS	28.	09/09/2001	6,171,858 B1	Hölzle et al.	435	349	

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Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES	NO
	29.	11/22/1994	JP 06,319,535 ✓	Japan			Abstract	
	30.	05/30/1996	WO 96/16162 ✓	PCT				
	31.	07/25/1996	WO 96/22362 ✓	PCT				
	32.	01/16/1997	WO 97/01644 ✓	PCT				
	33.	04/17/1997	WO 97/13877 ✓	PCT				
	34.	05/01/1997	WO 97/15690 ✓	PCT				
	35.	08/28/1997	DE 19606207 A1 ✓	Germany			Abstract	
	36.	12/18/1997	WO 97/47734 ✓	PCT				
	37.	02/26/1998	WO 98/07841 ✓	PCT				
	38.	07/07/1998	JP 10,179,150 ✓	Japan			Abstract	
DS	39.	01/20/2000	WO 00/03001 ✓	PCT				

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DS	40.	Barany, (1991) "Genetic Disease Detection and DNA Amplification Using Cloned Thermostable Ligase." <i>Proc. Natl. Sci. USA</i> 88:189-193.
	41.	Becker, S. et al. (1992). "Localization of Endoderm-Specific mRNAs in Differentiating F9 Embryoid Bodies, <i>Mechanisms of Development</i> 37:3-12.
	42.	Bichet, S. et al. (1999). "Oxygen Tension Modulates β -Globin Switching in Embroid Bodies", <i>FASEB J.</i> 13:285-295.
	43.	Bielinska, M. et al. (1997). "Induction of Yolk Sac Endoderm in GATA-4-Deficient Embryoid Bodies by Retinoic Acid", <i>Mechanisms of Development</i> 65:43-54.
	44.	Blouin et al., (1992) "Cytokeratin 14 expression in rat liver cells I culture and localization in vivo." <i>Differentiation</i> 52:45-54.
DS	45.	Brill et al., (1994) "Extracellular Matrix Regulation of Growth and Gene Expression in Liver Cell Lineages and Hepatomas" in <i>The Liver Biology and Pathobiology</i> pp. 869-897. (Arias et al., Third

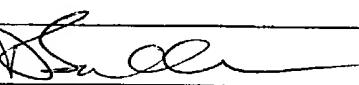
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PTO/SB/08 (2-92)

Sheet 3 of 7

<p>Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)</p>		Docket Number 441472000500	
		Application Number 09/881,526	
		Applicant H. Ralph SNODGRASS	
		Filing Date June 14, 2001	Group Art Unit 1632 1636
Mailing Date September 20, 2001			
<p>Edition, Raven Press, NY)</p> <p>BS 46. Brill et al., (1995) "Maturation-dependent changes in the regulation of liver-specific gene expression in embryonal versus adult primary liver cultures." <i>Differentiation</i> 59:95-102.</p> <p>47. Brill et al., (1999) "Expansion Conditions for Early Hepatic Progenitor Cells from Embryonal and Neonatal Rat Livers." <i>Digestive Diseases & Sciences</i> 44:364-371.</p> <p>48. Bruchez et al., (1998) "Semiconductor Nanocrystals as Fluorescent Biological Labels." <i>Science</i> 281:2013-2016.</p> <p>49. Chan and Nie, (1998) "Quantum Dot Bioconjugates for Ultrasensitive Nonisotopic Detection." <i>Science</i> 281:2016-2018.</p> <p>50. Doetschman, T. C. et al. (1985). "The <i>In Vitro</i> Development of Blastocyst-Derived Embryonic Stem Cell Lines: Formation of Visceral Yolk Sac, Blood Islands and Myocardium," <i>J. Embryol. Exp. Morph.</i> 87:27-45.</p> <p>51. Duncan, W.A. (1967). "Species Variation in Drug Metabolism", <i>Advancement of Science</i> 23(116):537-541.</p> <p>52. Fiorino et al., (1998) "Maturation-Dependent Gene Expression in a Conditionally Transformed Liver Progenitor Cell Line." <i>In Vitro Cell. Dev. Biol.--Animal</i> 34:247-258.</p> <p>53. Gajovic S. et al. (1998). "Genes Expressed After Retinoic Acid-Mediated Differentiation of Embryoid Bodies are Likely to Be Expressed during Embryo Development". <i>Experimental Cell Research</i> 242:138-143.</p> <p>54. Gall and Bhathal, (1990) "Development of intrahepatic bile ducts in rat foetal liver explants in vitro." <i>J. Exp. Pathol.</i> 71:41-50.</p> <p>55. Garcia-Sanz, M. et al. (1996). "Multiparametric Analysis of Cell Differentiation in Teratocarcinoma Embryoid Bodies", <i>Alterations in Development</i> 279S-280S.</p> <p>56. Germain et al., (1988) "Biliary Epithelial and Hepatocytic Cell Lineage Relationships in Embryonic Rat Liver as Determined by the Differential Expression of Cytokeratins, α-Fetoprotein, Albumin, and Cell Surface-exposed Components." <i>Cancer Res.</i> 48:4909-4918.</p> <p>57. Ghiglione, C. et al. (1996). "Early Gene Expression along the Animal-Vegetal Axis in Sea Urchin Embryoids and Grafted Embryos", <i>Development</i> 122:3067-3074.</p> <p>58. Gray, N.S. et al. (1998). "Exploiting Chemical Libraries, Structure, and Genomics in the Search for Kinase Inhibitors," <i>Science</i> 281:533-538.</p> <p>59. Grisham and Thorgeirsson, (1997) "Liver stem cells" <i>Stem Cells</i> pp. 233-282. (Academic Press, London)</p> <p>60. Harlow and Lane, (1988) <i>Antibodies, A Laboratory Manual</i> (Cold Spring Harbor Laboratory, Cold Spring Harbor, NY), pp. iii-ix (Table of Contents).</p> <p>BS 61. Hogan, B. et al., eds. (1986). <i>Manipulating the Mouse Embryo: A Laboratory Manual</i>. Cold Spring Harbor Laboratory Press: Cold Spring Harbor, NY., pp. vii-ix (Table of Contents).</p>			
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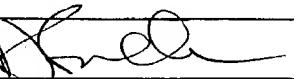
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<table border="1"> <tr> <td rowspan="2">  </td> <td>62.</td> <td>Innis et al., eds. (1990) <u>PCR Protocols: A Guide to Methods and Applications</u>. Academic Press, Inc., San Diego, CA., pp. v-x (Table of Contents)..</td> </tr> <tr> <td>63.</td> <td>Keller, G. et al. (1993). "Hematopoietic Commitment During Embryonic Stem Cell Differentiation in Culture," <i>Molecular and Cellular Biology</i> 13:473-486.</td> </tr> <tr> <td></td> <td>64.</td> <td>Klaassen et al., eds. (1996). <u>Casarett and Doull's Toxicology: The Basic Science of Poisons</u>. 5th Edition, McGraw-Hill: New York, NY., pp. v-vii (Table of Contents).</td> </tr> <tr> <td></td> <td>65.</td> <td>Krah, K. (1994). "Induction of Vasculogenesis in Quail Blastodic-Derived Embryoid Bodies", <i>Developmental Biology</i> 164:123-132.</td> </tr> <tr> <td></td> <td>66.</td> <td>Kyuwa, S et al. (1997). "Characterization of Embryonic Stem-Like Cell Lines Derived from Embryoid Bodies", <i>Exp. 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"Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates", <i>Analytical Chemistry</i> 69:2626-2630.</td> </tr> <tr> <td></td> <td>77.</td> <td>Moll et al., (1982) "The Catalog of Human Cytokeratins: Patterns of Expression in Normal Epithelia, Tumors and Cultured Cells." <i>Cell</i> 31:11-24.</td> </tr> <tr> <td></td> <td>78.</td> <td>Monzo, M. et al. (1992). "Effect of Ascitic Liquid on Growth <i>In Vitro</i> of Embryoid Bodies Derived From Teratocarcinoma", <i>Histology and Histopathology</i> 7:23-27.</td> </tr> <tr> <td></td> <td>79.</td> <td>Morini, M. et al. (1999). "Localization and Expression of Integrin Subunits in the Embryoid Bodies of F9 Teratocarcinoma Cells", <i>Experimental Cell Research</i> 247:114-122.</td> </tr> </table>				62.	Innis et al., eds. (1990) <u>PCR Protocols: A Guide to Methods and Applications</u> . Academic Press, Inc., San Diego, CA., pp. v-x (Table of Contents)..	63.	Keller, G. et al. (1993). 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Sheet 5 of 7

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 441472000500	Application Number 09/881,526
		Applicant	H. Ralph SNODGRASS
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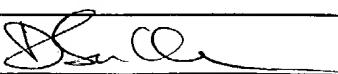
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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number 441472000500	Application Number 09/881,526
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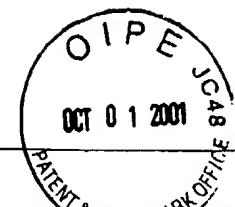
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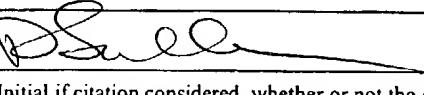
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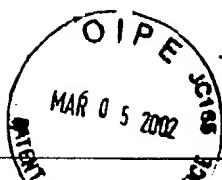
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		Applicant	H. Ralph SNODGRASS
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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
DS	1.	09/22/1998	5,811,297	Gopal	435	325	

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	3.	05/14/1999	WO 99/23254 A1	WIPO			
	4.	06/03/1999	WO 99/27090 A1	WIPO			
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